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(FILE 'HOME' ENTERED AT 16:19:26 ON 15 MAR 1999)

FILE 'BIOSIS, WPIDS, MEDLINE, EMBASE, CAPLUS' ENTERED AT 16:19:42 ON 15 MAR 1999

L1 632511 S TRANSPLANT? OR XENOGRAFT OR ALLOGRAFT
L2 748475 S PORCINE OR PIG OR SWINE
L3 10106 S GALACTOSYLTRANSFERASE OR GALT
L4 54862 S MARKER OR (NEO OR G418) OR (HYG OR HYGROMYCIN)
L5 325184 S (DNA(5A)CONSTRUCT?) OR VECTOR
L6 71376 S (ES OR EMBRYON?) (6A)CELL OR (PRIMORDIAL(W)GERM(W)CELL)
L7 7524 S PLURIPOTENT OR TOTIPOTENT
L8 25631 S TRANSGEN?
L9 18007 S L1 AND L2
L10 119 S L2 AND L3
L11 10 S L4 AND L5 AND L7 AND L8
L12 6 S L5 AND L6 AND L7
L13 1 S L3 AND L7 AND L8
L14 144 S L6 AND L8
L15 77 S L2 AND L6 AND L8
L16 10 S L2 AND L7 AND L8
L17 78 DUP REM L10 L11 (61 DUPLICATES REMOVED)
L18 56 DUP REM L15 L16 (37 DUPLICATES REMOVED)
L19 128 DUP REM L17 L18 (6 DUPLICATES REMOVED)

= d au ti 50 pd pi 1-6 L12

L12 ANSWER 1 OF 6 BIOSIS COPYRIGHT 1999 BIOSIS

AT Chen, Chao-Guang; Elsicaro, Nella; Shinkel, Trixie A.; Aitken, Victoria;
Katerelos, Marina; Van Denderen, Bryce J. W.; Tange, Margaret J.;
Crawford, Robert J.; Robins, Allan J.; Pearce, Martin J.; D'Apice,

Anthony

J. F. 111

TI Reduction in Gal-alpha-1,3-Gal epitope expression in **transgenic**
mice expressing human H-transferase.

SO Xenotransplantation, (1996) Vol. 3, No. 1 PART 1, pp. 69-75.

ISSN: 0903-665X.

PD 1996

L12 ANSWER 1 OF 6 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

IN BAETSCHER, M W; GUSTAFSSON, K T; SACHS, D H

TI Novel **transgenic** alpha (1,3) galactosyl transferase negative
swine - used to produce rejection resistant cells for xenogenic
transplantation.

PI WO 9518411 A1 951016 (9548)* EN 56 pp C07H017-00

EW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

W: AU CA JP KR MX US

AJ 9503331 A 951110 (9607) C07H017-00

EP 755402 A1 970119 (9710) EN C07H017-00

R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

JP 1004442 W 980506 (9828) 63 pp A01K067-027

EP 755402 A4 971116 (9840) C07H017-00

L12 ANSWER 3 OF 6 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

AU Soullieu J.-P.

TI [Immunological problems specific to xenografts].
PROBLEMES IMMUNOLOGIQUES SPECIFIQUES DES XENOGRAPTES.
SO BioDrugs, (1997) SUPPL. 1 (29-32).

Eds: 2
ISSN: 1173-8804 CODEN: BIDREF
PD 1997

L12 ANSWER 4 OF 6 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

AU Stinnakre M.G.; Vilotte J.L.; Soulier S.; Mercier J.C.

TI Creation and phenotypic analysis of alpha-lactalbumin-deficient mice.

SO Proceedings of the National Academy of Sciences of the United States of America, (1994) 91/14 (6544-6548).

ISSN: 0027-8424 CODEN: PNASAG
PD 1994

L12 ANSWER 5 OF 6 CAPLUS COPYRIGHT 1999 ACS

IN D'Apice, Anthony J. F.; Pearse, Martin J.; Robins, Allan J.; Crawford, Robert J.; Rathjen, Peter D.

TI Minimizing hyperacute rejection in human xenotransplantation by elimination of antigenic polysaccharides

SO U.S., 42 sp., Cont.-in-part of U.S. Ser. No. 188,607, abandoned.
CODEN: USXXAM

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5842991	A	19981015	US 95-378617	19950116
CA 2181433	AA	19950803	CA 95-2181433	19950127
EP 755451	A1	19970119	EP 95-907116	19950127
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE EP 7506652	A	19970902	BR 95-6652	19950127
AU 4877423	A1	19981001	AU 98-77428	19980721

L12 ANSWER 6 OF 6 CAPLUS COPYRIGHT 1999 ACS

AU Stinnakre, M. G.; Vilotte, J. L.; Mercier, J. C.

TI Creation and phenotypic analysis of alpha-lactalbumin-deficient mice

SO Proc. Natl. Acad. Sci. U. S. A. (1994), 91(14), 6544-8
CODEN: PNASAG; ISSN: 0027-8424

=> d bib 113

L13 ANSWER 1 OF 1 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AU 95-378759 [48] WPIIS
ENC 045-161951
TI Novel **transgenic** alpha (1,3) galactosyl transferase negative
swine - used to produce rejection resistant cells for xenogenic
transplantation.
EC R04 D16
IN BAETSCHER, M W; GUSTAFSSON, K T; SACHS, D H
EA (BIOT-N) BIOTRANSPLANT INC; (GEHO) GEN HOSPITAL CORP; (CHIL-N) INST CHILD
HEALTH
CYC 17
E1 WO 9528412 A1 951010 (9548)* EN 56 pp
EW: AT BE CH DE DE ES FR GB GR IE IT LU MC NL PT SE
W: AU CA JP KR ME US
AU 952332 A 951110 (9607)
EP 755401 A1 970119 (9710) EN
E: AT BE CH DE DE ES FR GB GR IE IT LI LU MC NI PT SE
JP 10504442 W 980506 (9823) 62 pp
EF 755402 A4 971116 (9840)
ALT WO 952841 A1 WO 95-US3940 950331; AU 9522332 A AU 95-22332 950331; EP
755401 A1 EP 95-915459 950331; WO 95-US3940 950331; JP 10504442 W JP
95-915459 950331; WO 95-US3940 950331; EP 755402 A4 EP 95-915459
FIT AU 952233 A Based on WO 9528412; EF 755402 A1 Based on WO 9528412; JP
10504442 W Based on WO 9528412
PFAI UF 94-228933 940413

=> d wo-113 ti so au pd pt 119

L19 ANSWER 00 OF 123 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
TI Beyond hyperacute rejection: Strategies for development of **pig**
kidney. primate xenotransplantation.
SO Kidney International, Supplement, (1997) 51/58 (S-36-S-40).
Refs: 31
ISSN: 0994-6577 CODEN: KISUDF
A1 Henderson W.W.
PD 1997

L19 ANSWER 01 OF 123 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
TI **Porcine** hepatocyte(s) with surface antigen modified to inhibit
xenogenic rejection - partic. by masking with specific antibody, useful
for **transplantation** to treat liver disease, e.g. familial
hypercholesterolaemia.
IN EDGE, A; GUNSAUS, J R
E1 WO 9627602 A1 961116 (9702)* EN 61 pp C12N005-06
EW: AT BE CH DE DE ES FI FR GB GR IE IT LU MC NL PT SE
W: AU CA JP
AT 9628748 A 961211 (9713) C12N005-06
EP 851193 A1 980401 (9817) EN C12N005-06
E: AT BE CH DE DE ES FI FR GB GR IE IT LI LU MC NL PT SE

L19 ANSWER 62 OF 123 CAPLUS COPYRIGHT 1999 ACS
TI Fowlpox virus expression **vectors** for use in poultry vaccines
SO PWT Int. Appl., 135 pp.
CODEN: PIKXD2

IN Cochran, Mark D.; Junker, David E.; Singer, Philip A.
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9640880 A1 19961219 WO 96-US11187 19960614
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CO, DE, DF, EE,
ES, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT,
LU, LV, MD, MG, MH, MI, MW, MX, NO, NZ, PL, PT, RO, RU, SL, SE,
SG, SI
FW: KE, LS, MW, SD, SE, UG, AT, BE, CH, DE, DK, ES, FI, FR, GE, GR,
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML
CA 1223591 AA 19961219 CA 96-1223591 19960604
AU 9604819 A1 19961230 AU 96-04819 19960604
EP 832197 A1 19980401 EP 96-024336 19960604
F: AT, BE, CH, DE, DK, ES, FR, GB, GE, IT, LI, LU, NL, SE, MC, PT,
IE, FI

L19 ANSWER 66 OF 173 CAPLUS COPYRIGHT 1999 ACS

TI Cloning and expression of a cDNA for human dihydropyrimidine
dehydrogenase

and its use in preventing reactions to 5-fluorouracil

SO PCT Int. Appl., 78 pp.

CODEN: PIXXD2

IN Gonzalez, Frank J.; Fernandez-Salguero, Pedro

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9608508 A2 19960311 WO 95-US12016 19950917
WO 9608508 A3 19960517
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,
GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD,
MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
TJ, TM
FW: KE, MW, SD, SE, UG, AT, BE, CH, DE, DK, ES, FR, GB, GE, IE, IT,
LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, ME, NE,
SN, TD, TG
US 5816454 A 19990105 US 94-304389 19940912
CA 2149808 AA 19960321 CA 95-1199808 19950907
AU 9636801 A1 19960329 AU 95-36801 19950907
AT 690347 B2 19980423
EP 784607 A2 19970723 EP 95-034477 19950907
F: AT, BE, CH, DE, DK, ES, FR, GB, GE, IE, IT, LI, LU, MC, NL, PT,

SE

L19 ANSWER 64 OF 123 CAPLUS COPYRIGHT 1999 ACS

TI Totipotent cells for nuclear transfer for the preparation of
transgenic animals

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

IN McWhir, James; Campbell, Keith Henry Stockman

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9607732 A1 19960314 WO 95-GB2035 19950905
W: AM, AU, BB, BG, BR, BY, CA, CH, CZ, EE, FI, GE, HU, IS, JP, KG,
KP, KR, KE, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SD, SG, SI,
SK, TJ, TM, TT, UA, US, UZ, VN
FW: KE, MW, SD, SE, UG, AT, BE, CH, DE, DK, ES, FR, GB, GE, IE, IT,
LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, ME, NE,
SN, TD, TG
AU 9633956 A1 19960327 AU 95-33956 19950905

L19 ANSWER 64 OF 123 CAPLUS COPYRIGHT 1999 ACS

TI **Transgenesis** in the rat and larger mammals

SO J. Clin. Invest. (1996), 98(11, Suppl.), S37-S40

CODEN: JCINAO; ISSN: 0021-9738

AU Mullins, Linda J.; Mullins, John J.

- L19 ANSWER 66 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI **Transgenesis** in the rat and larger mammals.
 SO Journal of Clinical Investigation, (1996) Vol. 97, pp. 1557-1560.
 ISSN: 0021-9738.
 AU Mullins, Linda J.; Mullins, John J. (1)
 PD 1996
- L19 ANSWER 67 OF 123 MEDLINE
 TI Strategies to overcome the anti-Gal alpha (1-3)Gal reaction in xenotransplantation.
 SO TRANSPLANTATION PROCEEDINGS, (1996 Apr) 28 (2) 537.
 Journal code: WE9. ISSN: 0041-1345.
 AU McKenzie I F; Osman N; Cohnhey S; Vaughan H A; Patton K; Mouhtouris E; Atkin J D; Elliott E; Fodor W L; Squinto S P; Burton D; Gallop M A; Oldenburg K R; Sandrin M S
- L19 ANSWER 68 OF 123 CAPLUS COPYRIGHT 1999 ACS
 TI Development of **transgenic swine** as heterotopic organ transplantation donor
 SO Chikusan no Kenkyu (1996), 50(4), 493-8
 CODEN: CKNFAJ; ISSN: 0009-3874
 AU Sato, Eimei
- L19 ANSWER 69 OF 123 MEDLINE
 TI Selective ablation of differentiated **cells** permits isolation of **embryonic stem cell** lines from murine embryos with a non-permissive genetic background.
 SO NATURE GENETICS, (1996 Oct) 14 (2) 223-6.
 Journal code: BRO. ISSN: 1061-4036.
 AU McWhir J; Schnieke A E; Ansell E; Wallace H; Colman A; Scott A R; Kind A J
- L19 ANSWER 70 OF 123 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 TI Tissue distribution of GAL.alpha.(1,3)GAL epitope in heart, kidney, and liver of **pig** and mouse.
 SO Transplantation Proceedings, (1996) 28/1 (216).
 ISSN: 0041-1345 CODEN: TRPPA8
 AU Hayashi S.; Katayama A.; Nagasaka T.; Negita M.; Yokoyama I.; Takagi H.
 PD 1996
- L19 ANSWER 71 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Development of in vivo gene therapy for hearing disorders: Long term **transgene** expression within guinea **pig** cochlea using adeno-associated viral **vector**.
 SO American Journal of Human Genetics, (1996) Vol. 59, No. 4 SUPPL., pp. A102.
 Meeting Info.: 46th Annual Meeting of the American Society of Human Genetics San Francisco, California, USA October 29-November 2, 1996
 ISSN: 0002-9297.
 AU Lalwani, A. K. (1); Walsh, B. J. (1); Feilly, G. (1); Muzyczka, N.; Mhatre, A. N. (1)
 PD 1996
- L19 ANSWER 72 OF 123 MEDLINE
 TI Molecular strategies for clinical xenotransplantation in cardiothoracic surgery.
 SO SEMINARS IN THORACIC AND CARDIOVASCULAR SURGERY, (1996 Apr) 8 (2) 156-74.
 Ref: 131
 Journal code: A2L. ISSN: 1043-0679.
 AU Hoopes C W; Platt J F
- L19 ANSWER 73 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI **Embryonic stem cells**, their genetic modification by homologous recombination and use in producing **transgenic** animals.

- SO Uspekhi Sovremennoi Biologii, (1996) Vol. 116, No. 1, pp. 78-91.
ISSN: 0042-1324.
- AI Savchenkova, I. P. (1); Zinov'eva, N. A.; Bulla, G.; Brem, G.
PO 1996
- L19 ANSWER 74 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
TI Ribozyme mediated inhibition of **pig** alpha-1,
3galactosyltransferase (alpha-1, 3GT).
- SO Cell Transplantation, (1996) Vol. 5, No. 5 SUPPL. 2, pp. 76.
Meeting Info.: Third International Congress of the Cell Transplant
Society
Miami Beach, Florida, USA September 29-October 2, 1996
ISSN: 0963-6897.
- AI Atiya, A. W.; Wood, T. F.; Une, S.; Srivatsin, E. S.; Scanlon, K. J.;
Passaro, E.; Mullen, Y.
PO 1996
- L19 ANSWER 75 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 5
TI Reduction in Gal-alpha-1,3-Gal epitope expression in transgenic mice
expressing human H-transferase.
- SO Xenotransplantation, (1996) Vol. 3, No. 1 PART 2, pp. 69-75.
ISSN: 0908-665X.
- AI Chen, Chao-Guang; Fisicaro, Nella; Shinkal, Trixie A.; Aitken, Victoria;
Katerelos, Marina; Van Denderen, Bryce J. W.; Tange, Margaret J.;
Crawford, Robert J.; Robins, Allan J.; Pearse, Martin J.; D'Apice,
Anthony
J. F. (1)
PO 1996
- L19 ANSWER 76 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
TI **Pig** alpha1,3galactosyltransferase: A major target for genetic
manipulation in xenotransplantation.
- SO Frontiers in Bioscience (online), (1996) Vol. 1, No. CITED SEPT. 10,
1997,
pp. E34-41.
- AI Strahan, Karen; Preece, Andrew; Gustafsson, Kenth (1)
PO 1996
- V L19 ANSWER 77 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
TI The alpha-1,3-**galactosyltransferase** knockout mouse: Implications
for xenotransplantation.
- SO Transplantation (Baltimore), (1996) Vol. 61, No. 1, pp. 13-19.
ISSN: 0041-1337.
- AI Tearle, Rick G.; Tange, Margaret J.; Gannettino, Zara L.; Katerelos,
Marina; Shinkal, Trixie A.; Van Denderen, Bryce J. W.; Lonie, Andrew J.;
Lyons, Ian; Nottle, Mark B.; Cox, Timothy; Becker, Christiane; Peura,
Anita M.; Wigley, Peter L.; Crawford, Robert J.; Robins, Allan J.;
Pearse,
Martins J.; D'Apice, Anthony J. F. (1)
PO 1996
- L19 ANSWER 78 OF 123 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
TI **Transgenesis** in the rat and larger mammals.
- SO Journal of Clinical Investigation, (1996) 98/11 SUPPL. (S37-S40).
ISSN: 0021-9738 CODEN: JCINAO
- AI Mullins L.J.; Mullins J.J.
PO 1996
- V L19 ANSWER 79 OF 123 CAPLUS COPYRIGHT 1999 ACS
TI **Pig** alpha1,3-Galactosyltransferase: a major target
for genetic manipulation in xenotransplantation
- SO Front. Biosci. [Electronic Publication] (1996), 1(Avail. URL:
<http://www.bioscience.org/bioscience/1996/v1/e/strahan1/htmls/list.htm>),
No pp. Given
CODEN: FBIF6

AU Strahan, Karen; Preece, Andrew; Gustafsson, Kenth

L19 ANSWER 80 OF 123 EELINE

TI Nudging xenotransplantation towards humans [comment].

SO NATURE MEDICINE, (1995 May) 1 (5) 403-4.

Journal code: CG5. ISSN: 1078-8956.

AU Fabre J W

L19 ANSWER 81 OF 123 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
DUPLICATE &

TI Novel transgenic alpha (1,3) galactosyl transferase negative **swine**
- used to produce rejection resistant cells for xenogenic
transplantation.

IN BAETSCHER, M W; GUSTAFSSON, K T; SACHS, D H

PI WO 9528412 A1 951016 (9548)* EN 56 pp C07H017-00

FW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

W: AU CA JP KP MX US

AT 9522332 A 951110 (9607) C07H017-00

EP 755401 A1 970119 (9710) EN C07H017-00

E: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

JP 10504444 W 980506 (9828) 62 pp A01K067-017

EP 755401 A4 971116 (9840) C07H017-00

L19 ANSWER 82 OF 123 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

TI New alpha-1,3-**galactosyltransferase** and leukaemia inhibitor
factor - corresp. DNA and nucleic acid constructs for inactivating the
transferase gene; for eliminating hyperacute rejection in human
transplants.

IN CHAWFORD, S J; DAPICH, A J F; PEARSE, M J; FATHJEN, P D; ROBBINS, A J;

ROBINS, A J; D'APICE, A J F

PI WO 9570661 A1 950803 (9536)* EN 130 pp C12N015-54

FW: AM AT BE BY CH DE DK ES FR GB GR IE IT KE KG KI LI LU MC MD MW NL

PT PU SD SE TJ

W: AU BB BG BR CA CN CZ EE FI GE HU JP KP KR LK LR LT LV MG MN MX NO

NI PL PR SI SK TT UA UZ VN

AU 9515446 A 950815 (9546) C12N015-54

EP 755451 A1 970119 (9710) EN C12N015-54

E: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

BF 9506682 A 970901 (9741) C12N015-54

JP 09508277 W 970816 (9744) 162 pp C12N015-00

KE 97700768 A 970212 (9809) C12N015-54

EP 755451 A4 971116 (9840) C12N015-54

AT 695373 B 980813 (9844) C12N015-54

AU 9877428 A 981001 (9851) C12N015-54

US 5849991 A 981215 (9906) C12N005-00

L19 ANSWER 83 OF 123 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

TI New totipotent ungulate **embryonic** stem **cell** lines -
used for cloning ungulates and prod. of **transgenic** cell lines
and **transgenic** and chimeric ungulates.

IN SPICE, S L; STRELCHENKO, N

PI WO 9516770 A1 950622 (9530)* EN 59 pp C12N005-00

FW: AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ

W: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG

KP KR KI LK LR LT LU LV MD ME MN MW NL NO NZ PL PT RD RU SD SE SI

SK TJ TT UA UZ VN

AU 9514392 A 950703 (9540) C12N005-00

L19 ANSWER 84 OF 123 CAPLUS COPYRIGHT 1999 ACS

TI Inhibition of hyperacute rejection of xenogeneic **transplants** by
inhibition of synthesis of polysaccharide cell-surface antigens

SO PCT Int. Appl., 67 pp.

CODEN: PIXXD2

IN Edge, Albert

PATENT NO.

KIND DATE

APPLICATION NO. DATE

PI WO 9533828 A1 19951214 WO 95-US5973 19950517
W: AU, CA, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
CA 2191891 AA 19951214 CA 95-2191891 19950517
AU 9525879 A1 19960104 AU 95-25879 19950517
EP 964207 A1 19970326 EP 95-920424 19950517
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
SE

L19 ANSWER 85 OF 123 CAPLUS COPYRIGHT 1999 ACS
TI **Embryonic stem cells** as nuclear donors and nuclear
transfer techniques to produce chimeric and **transgenic** animals
SO PET Int. Appl., 55 pp.
CODEN: PIXXD2
IN Stice, Steven L.; Strelchenko, Nick; Betthausen, Jeff; Scott, Brett;
Jurgella, Gail
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9517500 A1 19950629 WO 94-US13270 19941223
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CO, DE, DK, EE, ES, FI,
GB, GE, HU, JP, KE, KG, KR, KZ, LK, LR, LT, LU, LV, MD, MG,
MH, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TR, TT, UA,
UG, VN
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DF, ES, FF, GB, GR, IE, IT, LU,
MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN,
TD, TG
AU 9515951 A1 19950710 AU 95-15951 19941223
EP 959412 A1 19961030 EP 95-907932 19941223
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
SE

L19 ANSWER 36 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
TI **Embryonic stem cell** strategies: Beyond the mouse
model.
SO Monastersky, G. M. [Editor]; Rebl, J. M. [Editor]. (1995) pp. 73-85.
Strategies in transgenic animal science.
Publisher: American Society for Microbiology (ASM) Books Division, 1325
Massachusetts Ave. NW, Washington, DC 20005-4171, USA.
ISBN: 1-55581-096-9.
AU Pinkert, Carl A. (1); Stice, Steven A.
PE 1995

L19 ANSWER 37 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
TI Oocyte Gal-alpha-1,3gal epitopes implicated in sperm adhesion to the zona
pellucida glycoprotein ZP3 are not required for fertilization in the
mouse.
SO Journal of Biological Chemistry, (1995) Vol. 270, No. 37, pp.
21437-21440.
ISSN: 0021-9258.
AU Thall, Aron D. (1); Maly, Petr; Lowe, John B. (1)
PE 1995

L19 ANSWER 88 OF 123 CAPLUS COPYRIGHT 1999 ACS
TI Current status and challenges in the production of **transgenic**
pigs
SO Tanpakushitsu Kakusan Koso (1995), 40(14), 2241-8
CODEN: TAKEAU; ISSN: 0039-9450
AU Nagashima, Hiroshi

L19 ANSWER 39 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
TI Increased anti-gal activity in diabetic patients **transplanted**
with fetal **porcine** islet cell clusters.
SO Transplantation (Baltimore), (1995) Vol. 59, No. 11, pp. 1549-1556.
ISSN: 0041-1337.

AU Galili, Uri (1); Tibell, Annika; Samuelsson, Bo; Rydberg, Lennart; Groth, Carl Gustav
PD 1995

L19 ANSWER 90 OF 123 MEDLINE

TI Enzymatic remodelling of the carbohydrate surface of a xenogenic cell substantially reduces human antibody binding and complement-mediated cytotoxicity [see comments].

SO NATURE MEDICINE, (1995 Dec) 1 (12) 1261-7.

Journal code: 095. ISSN: 1078-8956.

AI Sandrin M S; Fodor W L; Mouhtouras E; Osman N; Dohney S; Rollins S A; Guilmette E R; Setter E; Squinto S P; McKenzie I F

L19 ANSWER 91 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS

TI Expression of **porcine** transforming growth factor-beta.

SO Indian Journal of Experimental Biology, (1995) Vol. 33, No. 9, pp. 706-709.

ISSN: 0019-5184.

AI Agrawal, Sanjeev (1); De Crombrughe, B.

PD 1995

✓ L19 ANSWER 92 OF 123 CAPLUS COPYRIGHT 1999 ACS

TI **Pig** alpha.1,3-**galactosyltransferase**: Sequence of a full-length cDNA clone, chromosomal localization of the corresponding gene, and inhibition of expression in cultured **pig** endothelial cells

SO Transplant. Proc. (1995), 27(1), 245-6

CODEN: TRPPA8; ISSN: 0041-1345

AI Strahan, K. M.; Gu, F.; Andersson, L.; Gustafsson, K.

L19 ANSWER 93 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS

TI Biochemical studies of **pig** xenotransplantation antigens detected by naturally occurring human antibodies and the galactose-alpha(1-3)galactose reactive lectin.

SO Transplantation (Baltimore), (1995) Vol. 59, No. 1, pp. 102-109.

ISSN: 0041-1337.

AI Vaughan, Hilary A.; McKenzie, Ian F. C.; Sandrin, Mauro S. (1)

PD 1995

✓ L19 ANSWER 94 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS

TI cDNA sequence and chromosome localization of **pig** alpha-1,3 **galactosyltransferase**.

SO Immunogenetics, (1995) Vol. 41, No. 2-3, pp. 101-105.

ISSN: 0093-7711.

AI Strahan, Karen M.; Gu, Feng; Preece, Andrew F.; Gustafsson, Ingemar; Andersson, Leif; Gustafsson, Kenth (1)

PD 1995

✓ L19 ANSWER 95 OF 123 CAPLUS COPYRIGHT 1999 ACS

TI **Transgenic pigs**: current status, challenges, and future prospects

SO Organ Biol. (1995), 2(1), 67-75

CODEN: OEBIF3; ISSN: 1340-5152

AI Nagashima, Hiroshi; Yamakawa, Hirohito; Nagai, Takuya

L19 ANSWER 96 OF 123 WPIEDS COPYRIGHT 1999 DEFWENT INFORMATION LTD

TI Prod. of chimeric and **transgenic** ungulate(s), partic.

pigs - using ungulate **embryonic stem cells** and recipient embryos from the same ungulate species..

IN WHEELER, M B

PI WO 9426884 A1 941124 (9501)* EN 95 pp C12N015-00

RW: AT BE CH DE DK ES FR GB GF IE IT LU MC NL PT SE

W: AU CA JP

AU 9470193 A 941212 (9521) C12N015-00

EP 701608 A1 960320 (9616) EN C12N015-00

L19 ANSWER 97 OF 123 CAPLUS COPYRIGHT 1999 ACS
 TI Method for maintaining **embryonic stem cells** and avian
 factor useful for same
 SO PCT Int. Appl., 53 pp.
 CODEN: PIXXD2
 IN Dyer, Shanny Leigh; Jennings, Philip; Lockett, Trevor; Heath, John Kaye
 PATENT NO. KIND DATE APPLICATION NO. DATE

 FI WO 9403585 A1 19940217 WO 93-AU399 19930804
 W: AU, CA, JP, NZ, US
 FW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

L19 ANSWER 98 OF 123 MEDLINE
 TI Human naturally occurring antibodies to **pig xenografts**
 SO TRANSPLANTATION PROCEEDINGS, (1994 Jun) 26 (3) 1392.
 Journal code: WE9. ISSN: 0041-1345.
 AU Sandrin M S; Vaughan H A; Dabkowski P L; McKenzie I F

V L19 ANSWER 99 OF 123 MEDLINE
 TI Isolation of a cDNA clone encoding the **pig alpha 1,3 galactosyltransferase**.
 SO TRANSPLANTATION PROCEEDINGS, (1994 Jun) 26 (3) 1335.
 Journal code: WE9. ISSN: 0041-1345.
 AU Dabkowski P L; Vaughan H A; McKenzie I F; Sandrin M S

L19 ANSWER 100 OF 123 MEDLINE
 TI Gal alpha(1,3)Gal is the major xenoepitope expressed on **pig**
 endothelial cells recognized by naturally occurring cytotoxic human
 antibodies.
 SO TRANSPLANTATION, (1994 Oct 27) 58 (8) 879-82.
 Journal code: WEJ. ISSN: 0041-1337.
 AU Vaughan H A; Loveland B E; Sandrin M S

V L19 ANSWER 101 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Progress and Emerging Problems in Livestock **Transgenesis**: A
 Summary Perspective.
 SO Reproduction Fertility and Development, (1994) Vol. 6, No. 5, pp.
 643-657.
 ISSN: 1031-3613.
 AU Seemark, R. F.
 PD 1994

V L19 ANSWER 102 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI **Transgenic** Livestock as Genetic Models of Human Disease.
 SO Reproduction Fertility and Development, (1994) Vol. 6, No. 5, pp.
 643-645.
 ISSN: 1031-3613.
 AU Petters, Robert M.
 PD 1994

V L19 ANSWER 103 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Development and Validation of **Swine Embryonic Stem Cells**: A Review.
 SO Reproduction Fertility and Development, (1994) Vol. 6, No. 5, pp.
 563-568.
 ISSN: 1031-3613.
 AU Wheeler, Matthew B.
 PD 1994

L19 ANSWER 104 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS

TI De novo methylation of an MHC class I **transgene** following transformation with human adenoviruses is not correlated with its altered expression.

SO JMA and Cell Biology, (1994) Vol. 13, No. 4, pp. 321-331.
ISSN: 1044-5498.

AU Katz, Shoshana Livini; Ehrlich, Rachel (1)

PD 1994

L19 ANSWER 105 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS

TI Transcriptional regulation of class-I major histocompatibility complex genes transformed in murine cells is mediated by positive and negative regulatory elements.

SO Gene (Amsterdam), (1994) Vol. 144, No. 2, pp. 265-270.
ISSN: 0378-1119.

AU Rotem-Yehudar, Pinat; Shechter, Hana; Ehrlich, Rachel (1)

PD 1994

L19 ANSWER 106 OF 123 MEDLINE

TI Gal alpha (1,3)Gal, the major xenoantigen(s) recognised in **pigs** by human natural antibodies.

SO IMMUNOLOGICAL REVIEWS, (1994 Oct) 141 169-90. Ref: 61
Journal code: GC4. ISSN: 0105-2896.

AU Sandrin M S; McKenzie I F

L19 ANSWER 107 OF 123 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

TI alpha.1,3Galactosyltransferase: A target for in vivo genetic manipulation in xenotransplantation.

SO Immunological Reviews, (1994) 141 (59-70).
ISSN: 0105-2896 CODEN: IMRED2

AU Gustafsson K.; Strahan K.; Preece A.

PD 1994

L19 ANSWER 108 OF 123 WFIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

TI cDNA encoding bile salt-stimulated lipase/carboxyl ester lipase - expressed

by **transgenic** non-human mammals and used as human milk substitute, contains intron sequences.

IN BJURSELL, K G; CARLSSON, P N I; ENERBAECK, C S M; HANSSON, S L; LIDBERG, U F P; NILSSON, J A; TOERNELL, J B F; ENERBAECK, C S M; CARLSSON, P N; ENERBAECK, M S C; HANSSON, L S; LIDBERG, P F U; NILSSON, A J; TOERNELL, F B J; TOERNELL, J P F; BJURSELL, G; CARLSSON, P; ENERBAECK, S; HANSSON, L; LIDBERG, U; NILSSON, J; TOERNELL, J; BJURSEL, K G; ENERBAECK, S C M

PI WO 9325669 A1 931223 (9401)* EN 76 pp C12N009-20

RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL CA PT SE
W: AT AU BB BG BE CA CH CZ DE DK ES FI GR HU JP KE KR KZ LK LU MG MN
MW NL NO NZ PL PT RO RU SD SE SK UA VN

CA 9308690 A 940223 (9415) 71 pp C12N000-00

AT 9343667 A 940104 (9417) C12N009-20

NO 9404715 A 950207 (9514) C12N015-55

FI 9406793 A 950209 (9518) C12N000-00

EP 691793 A1 950510 (9523) EN C12N009-20

R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

CN 1086262 A 940504 (9528) C12N015-55

DE 9403091 A3 950712 (9538) C12N009-20

SK 9401456 A3 950809 (9541) C12N009-20

JP 07507687 W 950831 (9543) 21 pp C12N015-09

IL 953391 A 960126 (9610) C12N015-55

AU 670643 B 960725 (9637) C12N009-20

US 5616493 A 970401 (9719) 43 pp C12N005-10

HU 91789 T 960228 (9740) C12N009-20

US 5616817 A 980210 (9813) 43 pp C12N015-00

TW 829435 A 980411 (9838) C12N009-20

SG 52580 A1 980328 (9903) C12N009-20

IL 105874 A 981227 (9907) C12N005-10

L19 ANSWER 109 OF 123 CAPLUS COPYRIGHT 1999 ACS
 TI An integrative expression system using the mtr gene of *Neurospora crassa*
 SO PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 IN Stuart, W. Dorsey; Koo, Kenneth; Mandel, Morton; Kato, Elie K.;
 Greenwood, Fred C.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9325683	A1	19931123	WO 93-US5886	19930617
W: AT, AU, BB, BG, BF, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, IF, LU, MG, MN, MW, NL, NO, PL, PO, RU, SD, SE				
PW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AT 9346413	A1	19940104	AU 93-46413	19930617

L19 ANSWER 110 OF 123 CAPLUS COPYRIGHT 1999 ACS
 TI **Transgenic** animals lacking prion proteins and control of spongiform encephalopathies
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9310227	A1	19930527	WO 92-EP2631	19921116
W: JP, US				
FW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
EP 613495	A1	19940907	EP 92-923723	19921116
E: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
US 5298763	A	19971216	US 94-244010	19940621

L19 ANSWER 111 OF 123 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Anti-**pig** IgM antibodies in human serum react predominantly with Gal(alpha-1-3)Gal epitopes.
 SO Proceedings of the National Academy of Sciences of the United States of America, (1993) Vol. 90, No. 23, pp. 11391-11395.
 ISSN: 0027-3424.
 AU Sandrin, Mauro S. (1); Vaughan, Hilary A.; Dabkowski, Paul L.; McKenzie, Ian F. C.
 PI 1993

✓ L19 ANSWER 112 OF 123 MEDLINE
 TI Characterisation of a cDNA clone encoding the **pig** alpha 1,3 **galactosyltransferase**: implications for xenotransplantation.
 SO TRANSPLANTATION PROCEEDINGS, (1993 Oct) 25 (5) 2921.
 Journal code: WE9. ISSN: 0041-1345.
 AU Dabkowski P L; Vaughan H A; McKenzie I F; Sandrin M S

✓ L19 ANSWER 113 OF 123 MEDLINE
 TI Studies on human naturally occurring antibodies to **pig xenografts**.
 SO TRANSPLANTATION PROCEEDINGS, (1993 Oct) 25 (5) 2917-8.
 Journal code: WE9. ISSN: 0041-1345.
 AU Sandrin M S; Vaughan H A; Dabkowski P L; McKenzie I F

✓ L19 ANSWER 114 OF 123 MEDLINE
 TI Manipulating early **pig** embryos.
 SO JOURNAL OF REPRODUCTION AND FERTILITY. SUPPLEMENT, (1993) 48 75-94. Ref: 148
 Journal code: JWR. ISSN: 0449-3087.
 AU Niemann H; Feichelt B

L19 ANSWER 115 OF 123 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 TI Use of leukaemia inhibitory factor - for enhancing implantation and

development and maintaining viability of embryos.

IN FFY, F C; PAFR, I
 PI WO 9201040 A 920023 (9207)*
 PW: AT BE CH DE DK ES FR GB GR IT LU NL SE
 W: AU CA DK JP US
 AU 9181063 A 920024 (9200) C12N005-06
 JP 05508541 W 931202 (9402) 8 pp A01K067-02
 AU 949499 B 940526 (9426) C12N005-06
 US 5366888 A 941122 (9501) 7 pp A61B017-42
 AU 9471913 A 941124 (9503) C12N005-06
 EF 951787 A1 950510 (9523) EN C12N005-06
 R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE
 US 5712156 A 980127 (9811) 7 pp C12N005-85
 AU 987075 B 980219 (9824) C12N005-06

L19 ANSWER 116 OF 123 WPIDS COPYRIGHT 1999 DEFWENT INFORMATION LTD
 TI Construction of **transgenic** animals - by introducing foreign gene
 under control of cytosolic phospho-phenol-pyruvate carboxy-kinase
 promoter
 into foetus.

IN HANSON, R W; HATTOGLU, M; MCGHANE, M; SHOFF, J
 PI US 5075229 A 911224 (9203)*

V L19 ANSWER 117 OF 123 WPIDS COPYRIGHT 1999 DEFWENT INFORMATION LTD
 TI Derivation of pluripotential **embryonic** stem cells -
 useful for prodn. of **transgenic** animals.

IN EVANS, M J; MOOR, R M; NOTARANNI, E; TARANNI, E
 PI WO 9003432 A 900405 (9017)*

PW: AT BE CH DE FR GB IT LU NL SE
 W: AU BE JP US
 AT 8943217 A 900418 (9027)
 EF 435278 A 910710 (9136)
 R: AT BE CH DE FR GB IT LI LU NL SE
 BE 8907666 A 910730 (9135)
 JP 04100909 W 900220 (9014) 12 pp C12N005-06
 AU 950616 B 940630 (9430)

L19 ANSWER 118 OF 123 MEDLINE
 TI Is the bronchus-associated lymphoid tissue (BALT) an integral structure
 of

the lung in normal mammals, including humans?
 SO AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, (1990 Aug) 3
 (3) 151-5.

Journal code: AOR. ISSN: 1044-1549.
 AU Pabst R; Gehrke I

V L19 ANSWER 119 OF 123 MEDLINE
 TI Maintenance and differentiation in culture of pluripotential
embryonic cell lines from **pig** blastocysts.

SO JOURNAL OF REPRODUCTION AND FERTILITY. SUPPLEMENT, (1990) 41 51-6.
 Journal code: JWR. ISSN: 0449-3087.

AU Notarianni E; Laurie S; Moor R M; Evans M C

L19 ANSWER 120 OF 123 CAPLUS COPYRIGHT 1999 ACS
 TI Therapeutic antimicrobial polypeptides and animals and animal cells
 producing them

SO PET Int. Appl., 64 pp.
 CODEN: PIXXD2

IN Jaynes, Jesse M.; Enright, Frederick M.; White, Kenneth L.
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 8900199 A1 19890112 WO 88-US2265 19880706
 W: AU, FI, JP, KR, NO
 RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
 CA 1327311 A1 19940301 CA 88-571157 19880705

AU 8820714	A1	19890130	AU 88-20714	19880706
EP 365598	1	19900502	EP 88-206511	19880706
EP 365593	1	19950405		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 03503522	T2	19910803	JP 88-506420	19880706
AT 120795	E	19950415	AT 88-206511	19880706
US 5861473	A	19990119	US 95-301736	19950906

L19 ANSWER 121 OF 123 CAPLUS COPYRIGHT 1999 ACS
 TI Dietary and hormonal regulation of expression of exogenous genes in **transgenic** animals under control of the promoter of the gene for phosphoenolpyruvate carboxykinase
 SD PET Int. Appl., 62 pp.
 CODEN: PIKXD2
 IN Hanson, Richard W.; McGrane, Mary; Wynshaw-Boris, Anthony; Short, Jay; Hatzoglou, Maria
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 8810354	A1	19881229	WO 88-US1943	19880613
	W: AT, AU, BB, BG, BR, CH, DE, DK, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU				
	FW: AT, BE, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	AU 8819861	A1	19890119	AU 88-19861	19880613
	AU 618956	B2	19920110		
	EP 365591	A1	19900502	EP 88-206340	19880613
	F: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 03500482	T2	19910307	JP 88-505623	19880613
	US 5075279	A	19911224	US 88-205776	19880613

L19 ANSWER 122 OF 123 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 TI Genetic factors affecting blood lipoproteins: the candidate gene approach.
 SD Journal of Lipid Research, (1988) 29:4 (397-429).
 ISSN: 0022-2275 CODEN: JLPRAW
 AU Lsis A.J.
 PI 1988

L19 ANSWER 123 OF 123 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 TI Immunological milestones in the ontogeny of hamster, guinea **pig**, sheep, and man.
 SD Federation Proceedings, (1978) 37/7 (2028-2030).
 CODEN: FEPPA7
 AU Solomon J.E.
 PI 1978

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	140.22	140.37

STN INTERNATIONAL LOGOFF AT 16:37:30 ON 15 MAR 1999

08/984,900

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(FILE 'USPAT' ENTERED AT 15:46:05 ON 15 MAR 1999)

L1 16140 S TRANSPLANT? OR XENOGRAFT OF ALLOGRAFT
L2 219 S GALACTOSYLTRANSFERASE OR GALT
L3 20535 S POFICINE OR PIG OF SWINE
L4 40157 S MARKER OR (NEO OF G418) OR (HYG OF HYGROMYCIN)
L5 74042 S (DNA(5A)CONSTRUCT) OR VECTOR
L6 10609 S ES OF (EMBRYON?(5A)CELL) OF (PRIMORDIAL(W)GERM(W)CELL)
L7 595 S PLURIPOTENT OR TOTIPOTENT
L8 3130 S TRANSGEN?
L9 29 S L1 AND L2
L10 49 S L2 AND L3
L11 1726 S 4 ANT L5 AND L8
L12 1256 S L4 AND L5 AND L8
L13 119 S L17 AND L6
L14 307 S L13 AND L5
L15 1676 S L3 AND L4 AND L5
L16 29 S L2 AND L15
L17 41 S L3 AND L7 AND L8
L18 406 S L9 OR L10 OR L14 OR L16 OR L17
L19 1 S 800/13/CCLS AND L18
L20 4 S 800/17/CCLS AND L18
L21 161 S 435/320.1/CCLS AND L18
L22 37 S 435/215/CCLS AND L18
L23 1 S 435/172.3/CCLS AND L18
L24 31 S 536/23.2/CCLS AND L18

=> d 1-2 119

1. 5,852,214, Dec. 22, 1993, .alpha.-lactalbumin gene constructs; Julian David Cooper, et al., 800/7; 435/69.1, 71.1; **800/13**, 15, 18 [IMAGE AVAILABLE]

2. 5,850,003, Dec. 15, 1993, Animal models for loss and gain of Hcx11 function; Stanley J. Korsmeyer, 800/3; 435/320.1; 536/23.1, 23.5; 800/9, **13** [IMAGE AVAILABLE]

=> d 1-4 120

1. 5,880,321, Mar. 9, 1999, **Transgenic** mammals expressing human coagulation factor VIII; Henryk Lubon, et al., 435/455; 800/4, 7, 15, 16, **17, 18, 21** [IMAGE AVAILABLE]

2. 5,849,931, Dec. 15, 1993, Mice homozygous for an inactivated .alpha.-1,3-galactosyl transferase gene; Anthony J. F. d'Apice, et al., 800/8; 435/320.1, 394, 463; **800/17**, 18, 21, 22, 24 [IMAGE AVAILABLE]

3. 5,705,712, Jan. 6, 1998, Universal donor cells; Peter J. Sims, et al., **800/17**; 536/23.1; 800/14, 18 [IMAGE AVAILABLE]

4. 5,589,504, Dec. 31, 1996, Expression of human protein C in mammary tissue of **transgenic** mammals; William N. Erohan, et al., 800/7; 435/69.6, 212; 800/14, 15, 16, **17, 18** [IMAGE AVAILABLE]

1. 5,874,243, Feb. 23, 1999, Mammalian flap-specific endonuclease; John Joseph Harrington, et al., 435/252.3, 69.1, 199, 252.33, 320.1; **536/23.2**, 23.5 [IMAGE AVAILABLE]
2. 5,874,243, Feb. 23, 1999, G-beta-gamma regulated phosphatidylinositol-3-kinase; Len Stephens, et al., 435/194, 252.3, 320.1, 325, 358, 365, 366; 530/350, 829; **536/23.2**, 23.4, 23.5 [IMAGE AVAILABLE]
3. 5,869,231, Feb. 9, 1999, G-beta-gamma regulated phosphatidylinositol-3-kinase; Len Stephens, et al., 435/15, 193, 194; 530/350, 829; **536/23.2**, 23.5 [IMAGE AVAILABLE]
4. 5,859,212, Jan. 12, 1999, Human phosphatidylcholine phospholipase D; David W. Leung, et al., **536/23.2**; 435/4, 69.1, 198, 252.3, 320.1; 530/350; **536/23.5** [IMAGE AVAILABLE]
5. 5,858,751, Jan. 12, 1999, Compositions and methods for producing steryltransferases; James C. Paulson, et al., 435/193, 69.1, 252.3, 320.1; 530/350; **536/23.2** [IMAGE AVAILABLE]
6. 5,856,132, Jan. 5, 1999, G-beta-gamma regulated phosphatidylinositol-3-kinase; Len Stephens, et al., 435/69.2, 69.1, 69.7, 194, 252.3, 320.1, 325, 358, 365, 366; 530/350, 829; **536/23.2**, 23.4, 23.5 [IMAGE AVAILABLE]
7. 5,834,290, Nov. 10, 1998, Recombinant stratum corneum chymotryptic enzyme (SCCE); Torbjorn Egelrud, et al., 435/226, 69.1, 252.3, 252.33, 320.1; **536/23.2**, 23.5 [IMAGE AVAILABLE]
8. 5,830,744, Nov. 3, 1998, Gene encoding human Dnase; Craig A. Rosen, et al., 435/252.3, 199, 320.1, 325, 419; **536/23.2** [IMAGE AVAILABLE]
9. 5,821,117, Oct. 13, 1998, Xenotransplantation therapies; Mauro S. Sandrin, et al., 435/320.1, 325; **536/23.2** [IMAGE AVAILABLE]
10. 5,817,748, Oct. 6, 1998, Modified factor VII; Kathleen L. Berkner, et al., **536/23.2**; 435/212, 226, 325 [IMAGE AVAILABLE]
11. 5,801,333, Sep. 1, 1998, Nucleic acid compositions encoding acetyl-coa carboxylase and uses therefor; Robert Haselkorn, et al., 436/23.6; 435/69.1, 252.3, 252.33, 257.2, 320.1, 419, 975; **536/23.2**, 24.3 [IMAGE AVAILABLE]
12. 5,801,430, Sep. 1, 1998, Methods and **vectors** for site-specific recombination; Duncan L. McVey, et al., 435/456, 320.1, **462**; **536/23.1**, 23.2 [IMAGE AVAILABLE]
13. 5,789,296, Jul. 14, 1998, Compositions and methods to promote homologous recombination in eukaryotic cells and organisms; William K. Holloman, et al., 435/320.1; **536/23.2** [IMAGE AVAILABLE]
14. 5,776,447, Jul. 7, 1998, Methods of detecting cystic fibrosis gene by nucleic acid hybridization; Lap-Chee Tsui, et al., 435/6, 91.2; **536/23.2**, 24.3, 24.33 [IMAGE AVAILABLE]
15. 5,770,420, Jun. 23, 1998, Methods and products for the synthesis of oligosaccharide structures on glycoproteins, glycolipids, or as free molecules, and for the isolation of cloned genetic sequences that determine these structures; John B. Lowe, et al., 435/193, 252.3, 320.1, 325; **536/23.2**, 23.4 [IMAGE AVAILABLE]
16. 5,747,326, May 5, 1998, Isolated nucleic acid molecules which encode

mammalian .alpha.2,8 polysialyl transferases; Rita Gerardy-Schahn, et al., 435/325, 69.1, 195, 252.3, 252.33, 320.1, 348, 358, 365; 530/350; **536/23.2**, 23.5 [IMAGE AVAILABLE]

17. 5,744,343, Apr. 28, 1998, Ubiquitin conjugating enzymes; Giulio Draetta, et al., 435/193, 252.3, 254.11, 320.1, 325; **536/23.2**, 23.4 [IMAGE AVAILABLE]

18. 5,719,055, Feb. 17, 1998, Transposon-based transformation **vectors**; Richard K. Cooper, 435/320.1, 252.33; **536/23.2**, 23.7, 24.1 [IMAGE AVAILABLE]

19. 5,693,445, Dec. 16, 1997, Human PAK65; Arie Abo, et al., 435/325, 322.3, 323.1, 348; **536/23.2** [IMAGE AVAILABLE]

20. 5,665,533, Sep. 9, 1997, Methods and materials relating to IMFH and GMP production; Frank R. Cellart, et al., 435/191, 89, 252.3, 252.33, 320.1, 325, 358; **536/23.2**, 23.5 [IMAGE AVAILABLE]

21. 5,658,730, Aug. 19, 1997, Rel a targeted ribozymes; Dan T. Stinchcomb, et al., 435/366, 6, 91.31, 320.1, 325; 514/44; **536/23.1**, **23.2**, 24.5 [IMAGE AVAILABLE]

22. 5,650,501, Jul. 22, 1997, Serine/threonine kinase and nucleic acids encoding same; James W. Dennis, et al., **536/23.2**; 435/69.1, 194, 320.1, 325, 348, 352, 358, 365, 367, 419; 530/324, 350; **536/24.1**, 24.31 [IMAGE AVAILABLE]

23. 5,650,313, Jul. 22, 1997, Ubiquitin conjugating enzymes 8 and 9; Jian Ni, et al., 435/193, 69.1, 252.3, 320.1, 325, 352, 357, 358, 364, 365, 367; **536/23.2** [IMAGE AVAILABLE]

24. 5,648,210, Jul. 15, 1997, Nucleotide sequences of galactinol synthase from zucchini and soybean; Phillip S. Kerr, et al., 435/5, 91.2; **536/23.1**, **23.2**, 23.6, 24.3 [IMAGE AVAILABLE]

= d 40-87 123

40. 5,749,245, Aug. 4, 1998, Alphavirus structural protein expression cassettes; Thomas W. Dubensky, Jr., et al., 435/320.1, 69.1, **325**; **536/23.72** [IMAGE AVAILABLE]

41. 5,739,195, Aug. 4, 1998, Human notch and delta, binding domains in topophytic proteins, and methods based thereon; Spyridon Artavanis-Tsakonas, et al., 435/69.1, 7.1, 252.3, 320.1, **325**; 530/300, 350; **536/23.1**, 23.5 [IMAGE AVAILABLE]

42. 5,736,465, Jul. 28, 1998, Secreted proteins and polynucleotides encoding them; Kenneth Jacobs, et al., **536/23.5**; 435/69.1, 252.3, 254.11, 320.1, **325**; 530/300, 350; **536/23.1** [IMAGE AVAILABLE]

43. 5,780,300, Jul. 14, 1998, Manipulation of non-terminally differentiated cells using the notch pathway; Spyridon Artavanis-Tsakonas, et al., 435/377, **325**, 366, 372, 375 [IMAGE AVAILABLE]

44. 5,746,262, Jul. 7, 1998, Obesity associated genes; Michael North, et al., 435/252.3, 6, 69.1, **325**; **536/23.1**, 23.5, 24.3, 24.31 [IMAGE AVAILABLE]

45. 5,773,280, Jun. 30, 1998, AAV directed targeted integration; Richard Jude Samulski, et al., 435/320.1, 69.1, 235.1, **325**; 514/44 [IMAGE AVAILABLE]

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